

[Home](#) ■ [Оборудование](#) ■ [Тонкая мех.очистка / фильтрация](#) ■ [Фильтр с активированным углем](#) ■
[HUBER Active Carbon Filter CONTIFLOW® GAK](#)

HUBER Active Carbon Filter CONTIFLOW® GAK



Quaternary Treatment for the Removal of Micropollutants

The HUBER Active Carbon Filter CONTIFLOW® GAK removes micropollutants from the wastewater flow. The system uses granulated active carbon and is installed downstream of the secondary clarifier. An important advantage of the HUBER Active Carbon Filter CONTIFLOW® GAK is that it has no influence on existing process-engineering systems on the sewage treatment plant and can be optimised further by adding a sandfilter or an upstream ozonisation plant.

The HUBER Active Carbon Filter CONTIFLOW® GAK is a deep-bed type upflow filter. The system is highly efficient as no shutdowns for backwash cycles are necessary for the active carbon washing process.

As the influent flows from the bottom upward through the active carbon bed, the solid particles contained within the influent are retained in the filter layer and micropollutants are adsorbed on the large inner surface of the active carbon. The decisive factor for the second process is the residence time of the inflow in the active carbon bed.

The clear filtrate exits over a weir at the top of the filter. The active carbon bed, along with the accumulated solids, is drawn downward to the trough bottom into the airlift pipe, which is located in the centre of the filter. The airlift transports the mix upwards to the active carbon washer. Inside the washer, the solids are separated from the active carbon with a small portion of the filtrate flow. The active carbon is free of solids but still contaminated with micropollutants when it falls through to the filter bed so that an internal active carbon cycle is created. As the filter operation continues more and more micropollutants are adsorbed on the inner surface of the carbon.

[детали](#)

The HUBER Active Carbon Filter CONTIFLOW® GAK is a special product variant of our proven **HUBER Sandfilter CONTIFLOW®**: It is used as **quaternary treatment stage** on sewage treatment plants and removes micropollutants from the wastewater flow. The system uses granulated active carbon and is installed downstream of the secondary clarifier.

An important advantage of the HUBER Active Carbon Filter is that it has no influence on existing process-engineering systems on the sewage treatment plant and can be optimised further by adding a "classic" CONTIFLOW® Sandfilter or an upstream ozonisation plant.

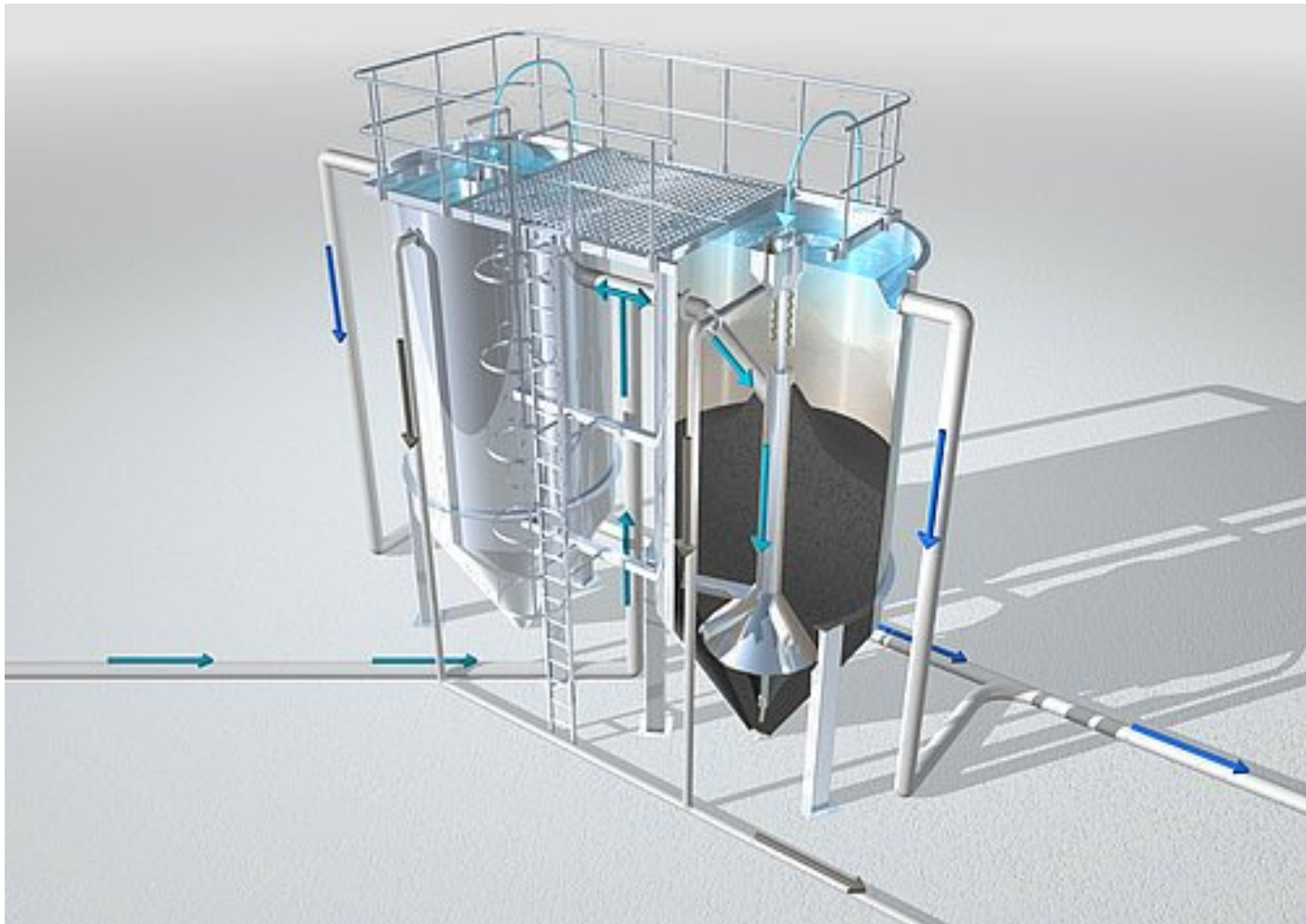
Преваги

- Experience with more than 5,000 CONTIFLOW® installations worldwide
- Reliable removal of micropollutants
- Applicable as **quaternary treatment stage**
- Simple and easy-to-maintain system
- No influence on existing process-engineering systems
- Continuous or optionally discontinuous sand washing process with continuous filtration
- Wearing parts reduced to one
- No shutdowns for backwash cycles
- Constant filtrate quality
- Simple wash water treatment
- Minimum pressure drop

примеры из практики

- **Two HUBER lighthouse projects of the fourth treatment stage: construction of the micropollutant removal plants in Bickenbach and Uhldingen is progressing rapidly**
- **Seefeldten sewage treatment plant at Lake Constance to receive 24 HUBER Active Carbon Filters CONTIFLOW® GAK as part of the fourth treatment stage**
- **Bickenbach Wastewater Treatment Plant: HUBER supplies technologies for Hesse's first plant for elimination of trace substances**
- **HUBER offers convincing key components for a tailor-made 4th treatment stage**
- **Research project: removal of micropollutants with the use of ozone and granulated active carbon**
- **Removal of micropollutants: Fourth treatment stage with the HUBER Sandfilter CONTIFLOW®**

схема



HUBER Active Carbon Filter CONTIFLOW® GAK: functional principle



Генеральный директор: Железнов Алексей Игоревич
Адрес: пр-кт Андропова 18, к. 6 · 115432 Москва · Россия · Телефон: +7 499 6830048 · Факс: +7 499 6830048
www.huber-technology.ru · www.huber.de · E-mail: huber@mail.ru · info@huber-technology.ru
Банк ЗАО «ЮниКредит Банк» г. Москва · Расчетный счет: 40702810900010660385 · БИК: 044525545
Корресп. счёт: 30101810300000000545

